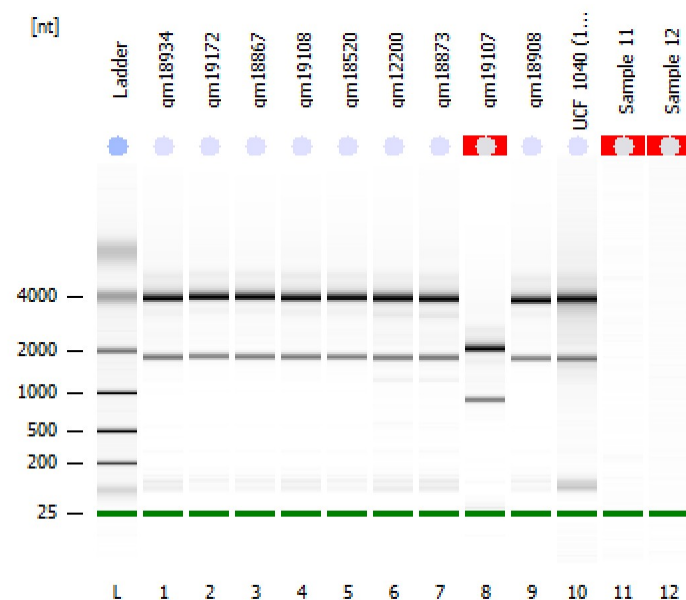


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-26_16-15-37.xad

Created: 10/26/2011 4:15:36 PM
Modified: 10/26/2011 4:39:43 PM

Electrophoresis File Run Summary**Instrument Information:**

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

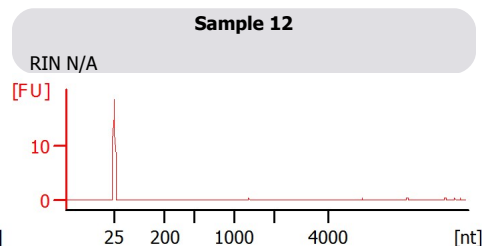
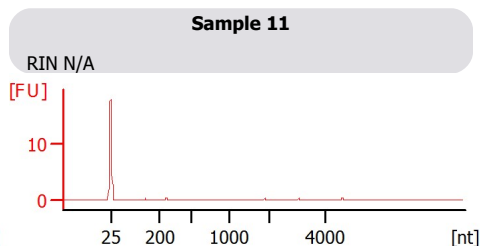
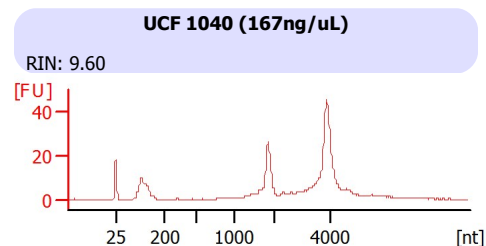
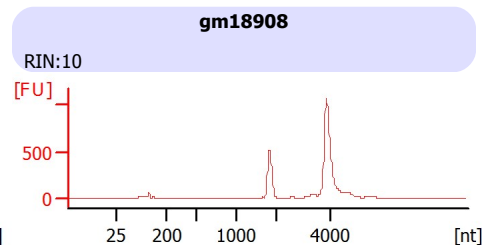
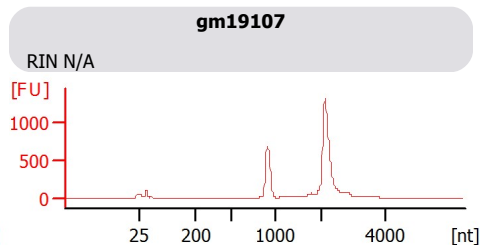
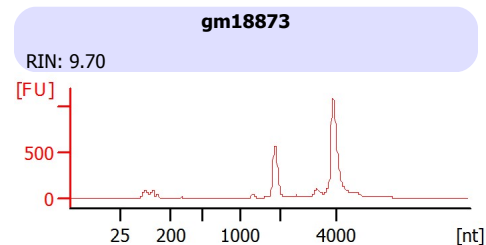
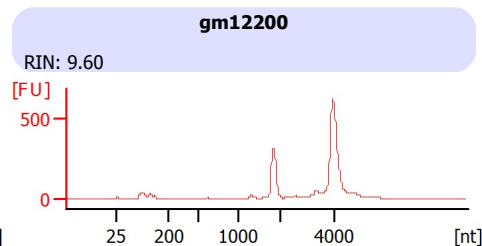
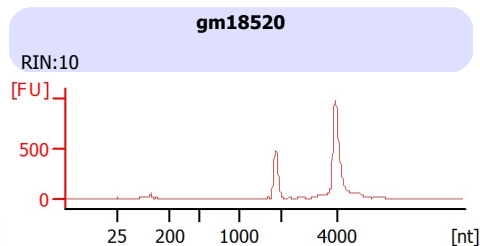
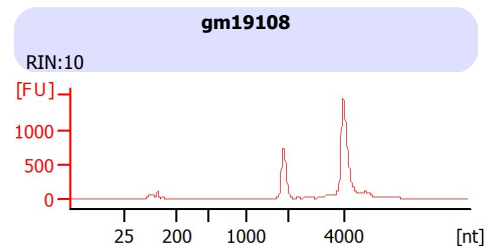
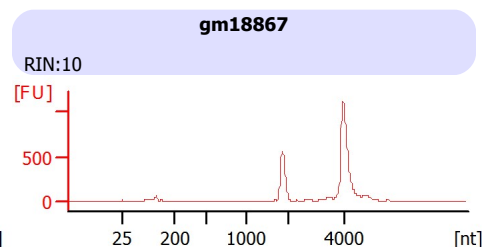
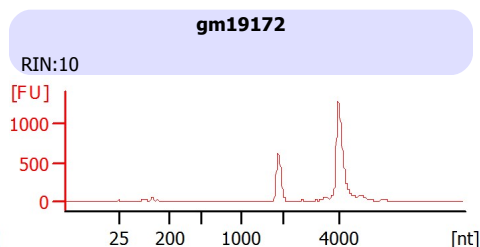
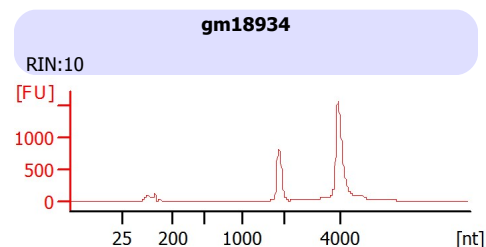
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-26_16-15-37.xad

Created: 10/26/2011 4:15:36 PM
Modified: 10/26/2011 4:39:43 PM

Electrophoresis File Run Summary (Chip Summary)

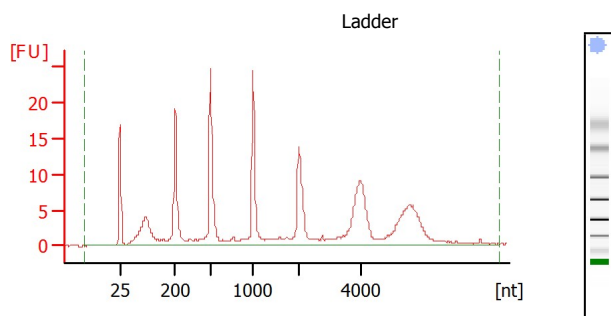
Sample Name	Sample Comment	Stat Result Label	Result Color
gm18934		✓ RIN:10	
gm19172		✓ RIN:10	
gm18867		✓ RIN:10	
gm19108		✓ RIN:10	
gm18520		✓ RIN:10	
gm12200		✓ RIN: 9.60	
gm18873		✓ RIN: 9.70	
gm19107		✓ RIN N/A	
gm18908		✓ RIN:10	
UCF 1040 (167ng/uL)		✓ RIN: 9.60	
Sample 11		✓ RIN N/A	
Sample 12		✓ RIN N/A	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-26_16-15-37.xad

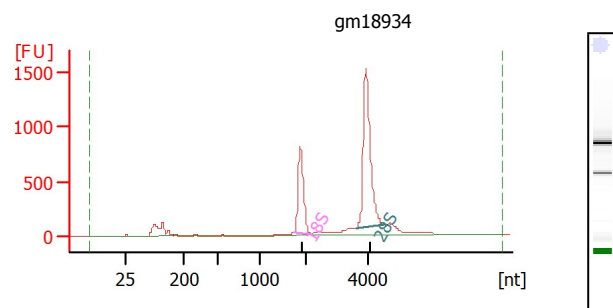
Created: 10/26/2011 4:15:36 PM
 Modified: 10/26/2011 4:39:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 231.3
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

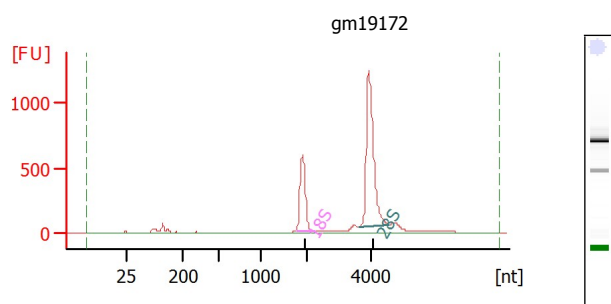


Overall Results for sample 1 : gm18934

RNA Area: 6,445.2
 RNA Concentration: 4,180 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : gm18934

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,169	1,314.5	20.4
28S	3,592	4,555	2,715.0	42.1

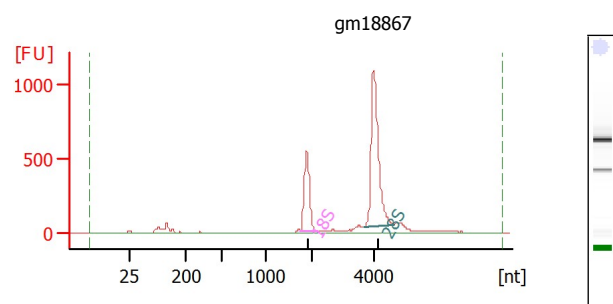


Overall Results for sample 2 : gm19172

RNA Area: 4,527.5
 RNA Concentration: 2,936 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 2 : gm19172

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,757	2,201	975.5	21.5
28S	3,650	4,615	2,186.8	48.3



Overall Results for sample 3 : gm18867

RNA Area: 4,089.5
 RNA Concentration: 2,652 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

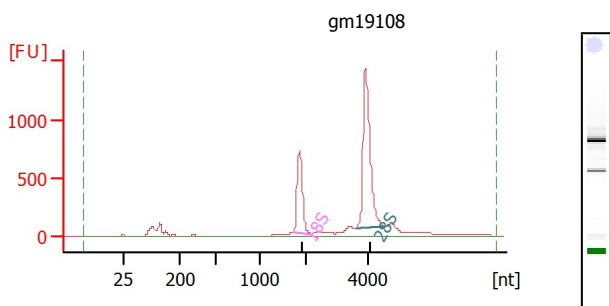
Fragment table for sample 3 : gm18867

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,751	2,189	879.1	21.5
28S	3,645	4,621	1,941.0	47.5

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-26_16-15-37.xad

Created: 10/26/2011 4:15:36 PM
 Modified: 10/26/2011 4:39:43 PM

Electropherogram Summary Continued ...

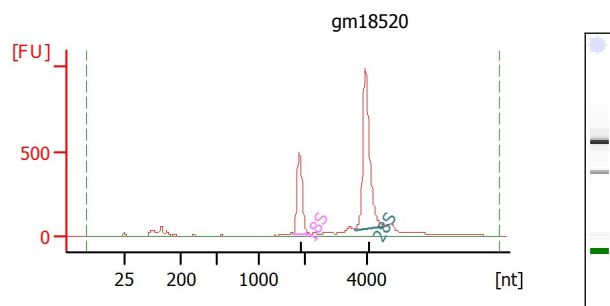


Overall Results for sample 4 : gm19108

RNA Area: 5,804.8
 RNA Concentration: 3,764 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 4 : gm19108

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,188	1,165.5	20.1
28S	3,607	4,571	2,499.8	43.1

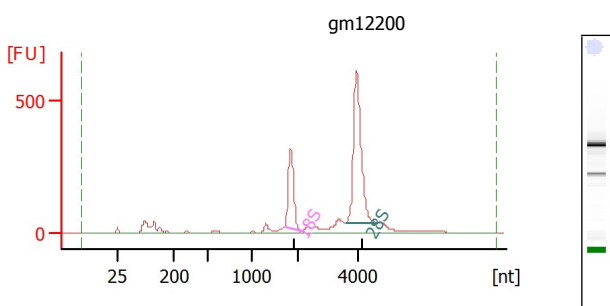


Overall Results for sample 5 : gm18520

RNA Area: 3,728.4
 RNA Concentration: 2,418 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 5 : gm18520

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,744	2,171	753.6	20.2
28S	3,602	4,560	1,701.2	45.6

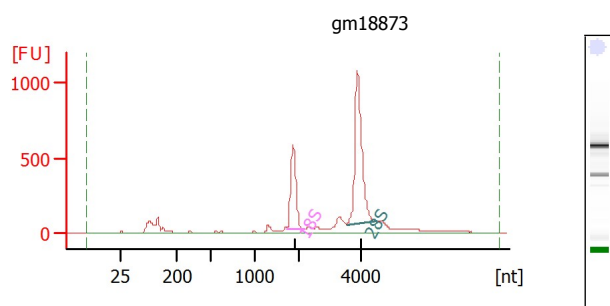


Overall Results for sample 6 : gm12200

RNA Area: 2,885.1
 RNA Concentration: 1,871 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 6 : gm12200

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,125	506.1	17.5
28S	3,557	4,594	1,149.6	39.8



Overall Results for sample 7 : gm18873

RNA Area: 5,067.9
 RNA Concentration: 3,286 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

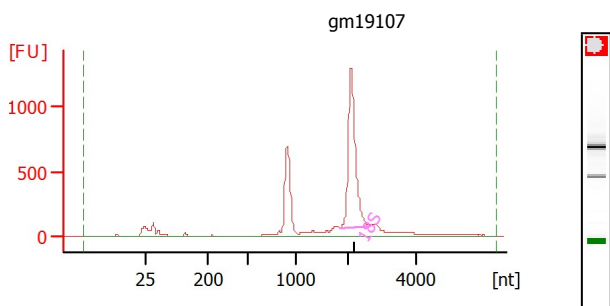
Fragment table for sample 7 : gm18873

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,715	2,136	914.9	18.1
28S	3,547	4,520	1,878.2	37.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-26_16-15-37.xad

Created: 10/26/2011 4:15:36 PM
 Modified: 10/26/2011 4:39:43 PM

Electropherogram Summary Continued ...

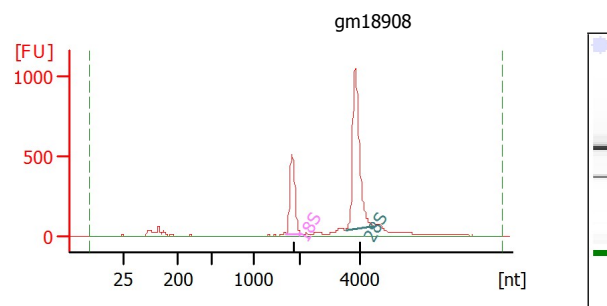


Overall Results for sample 8 : gm19107

RNA Area: 5,335.2
 RNA Concentration: 3,460 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 8 : gm19107

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,865	2,655	2,341.5	43.9

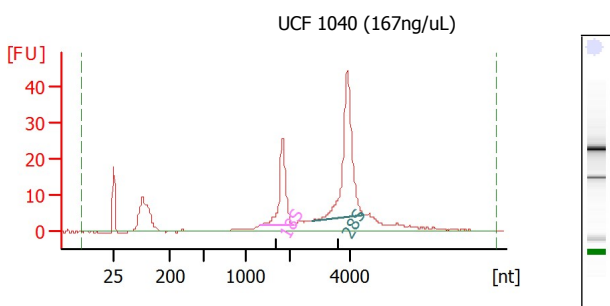


Overall Results for sample 9 : gm18908

RNA Area: 3,920.2
 RNA Concentration: 2,542 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 9 : gm18908

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,105	791.8	20.2
28S	3,514	4,467	1,810.8	46.2

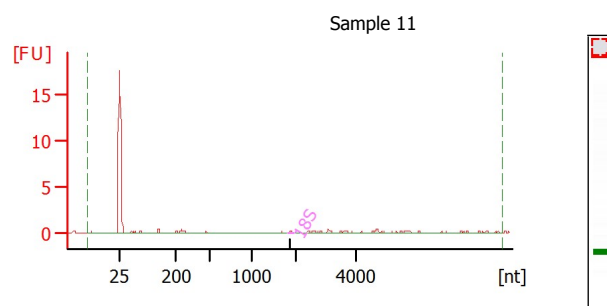


Overall Results for sample 10 : UCF 1040 (167ng/uL)

RNA Area: 305.2
 RNA Concentration: 198 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 10 : UCF 1040 (167ng/uL)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,341	2,143	47.7	15.6
28S	2,713	4,437	99.0	32.4



Overall Results for sample 11 : Sample 11

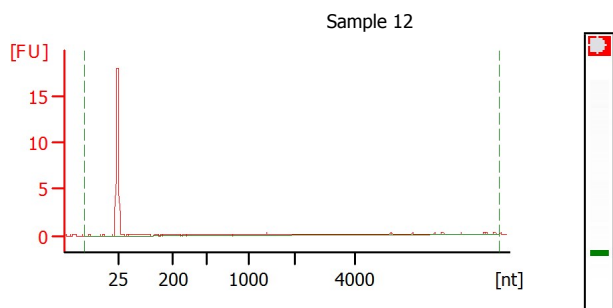
RNA Area: 9.1
 RNA Concentration: 6 ng/μl
 rRNA Ratio [28s / 18s]: 0.0
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 11 : Sample 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,816	1,946	0.1	1.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-26_16-15-37.xad

Created: 10/26/2011 4:15:36 PM
Modified: 10/26/2011 4:39:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : Sample 12**

RNA Area: 5.7
RNA Concentration: 4 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A